

Microstructure-bearing composite plastic articles and method of making.

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Inventor: WILLIAMS TODD R C O MINNESOTA; LU SHIH-LAI C O MINNESOTA MINI
Applicant: MINNESOTA MINING & MFG (US)
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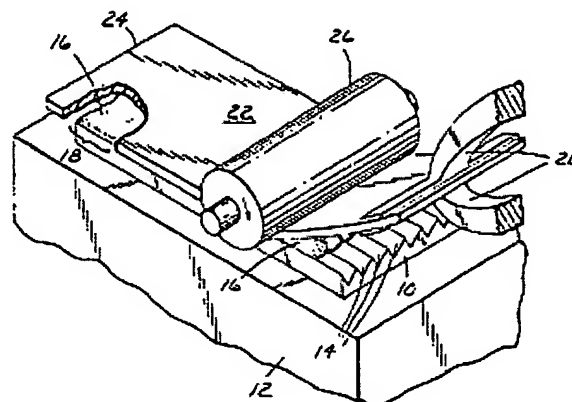
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Abstract of EP0382420

A microstructure-bearing composite plastic article can be superior, both in microstructure and in physical properties, when it is a composite of a tough, flexible substrate, at a surface of which is microstructure formed of a cured oligomeric resin having hard segments and soft segments, which cured resin is substantially confined to the microstructure portion of the composite. Such a composite plastic article can be made by depositing an uncured oligomeric resin

- composition (16) onto a master negative molding surface in an amount barely sufficient to fill the cavities (14) of the master (10), filling the cavities by moving a bead of the compositions between a substrate (22) and the master, and curing the deposited composition by ultraviolet radiation while keeping the temperature during curing to not more than 50 DEG C above the typical use temperature of the finished composite plastic article.



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